

Fig. 1

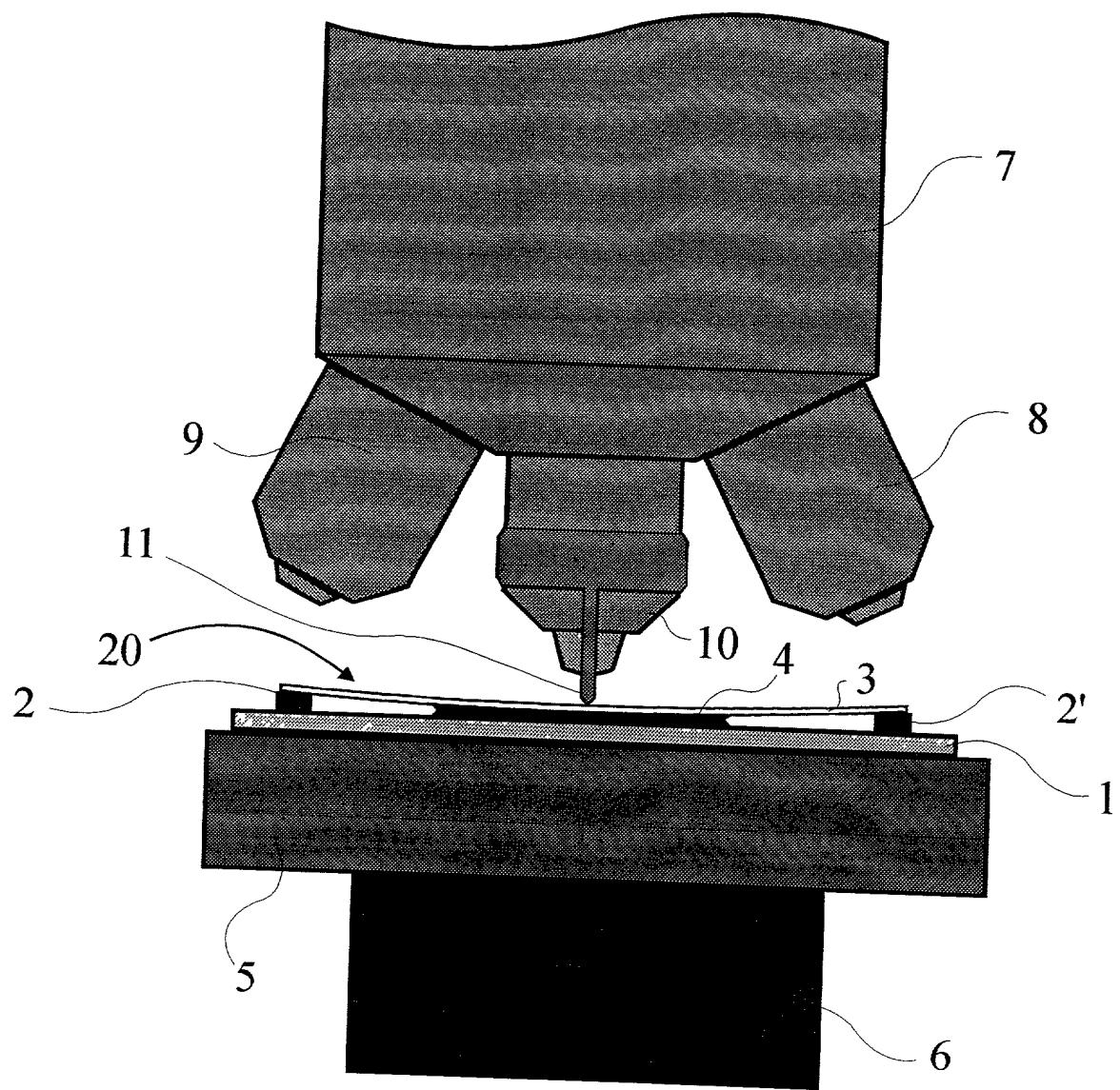


Fig. 2

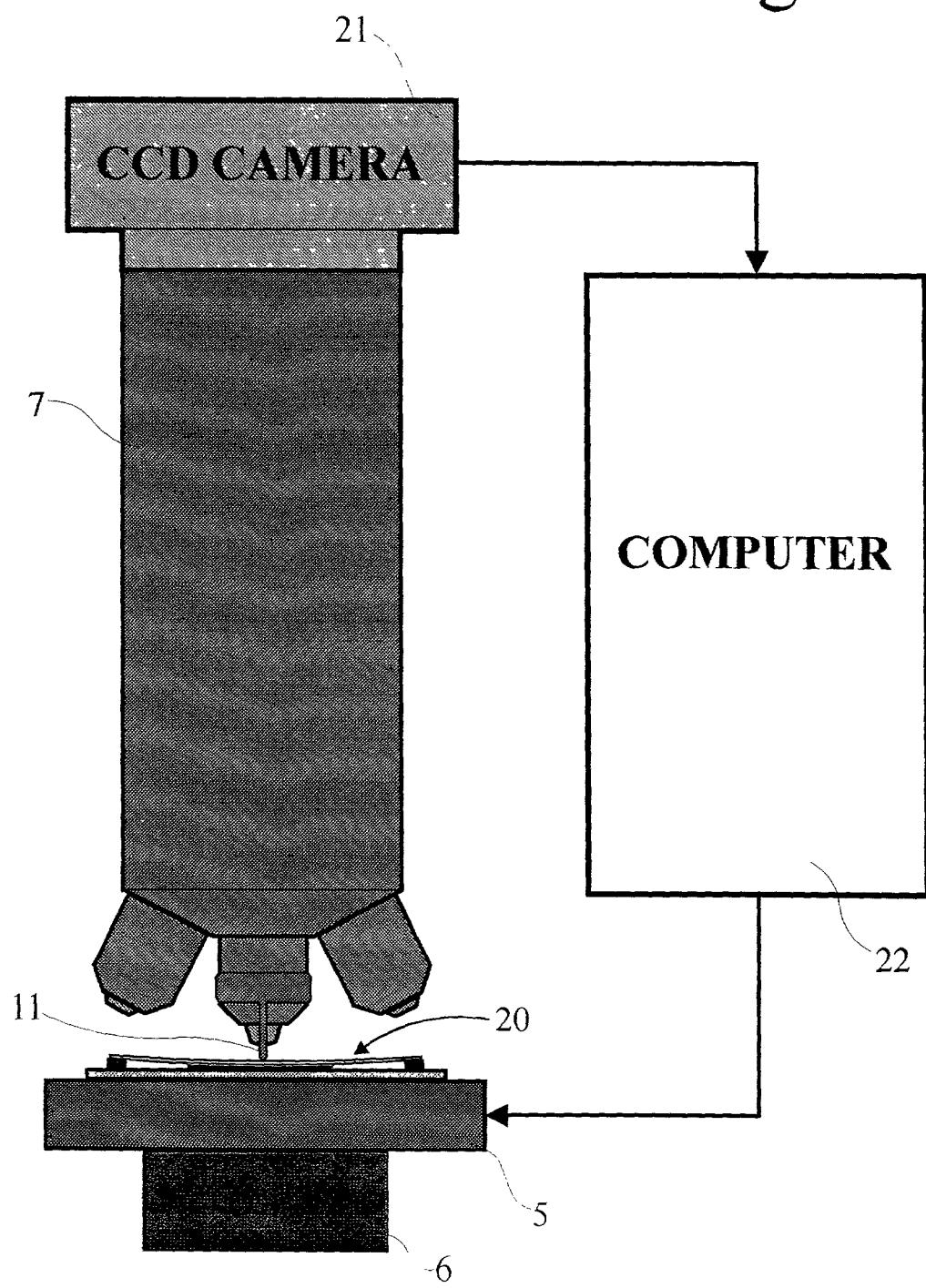


Fig. 3

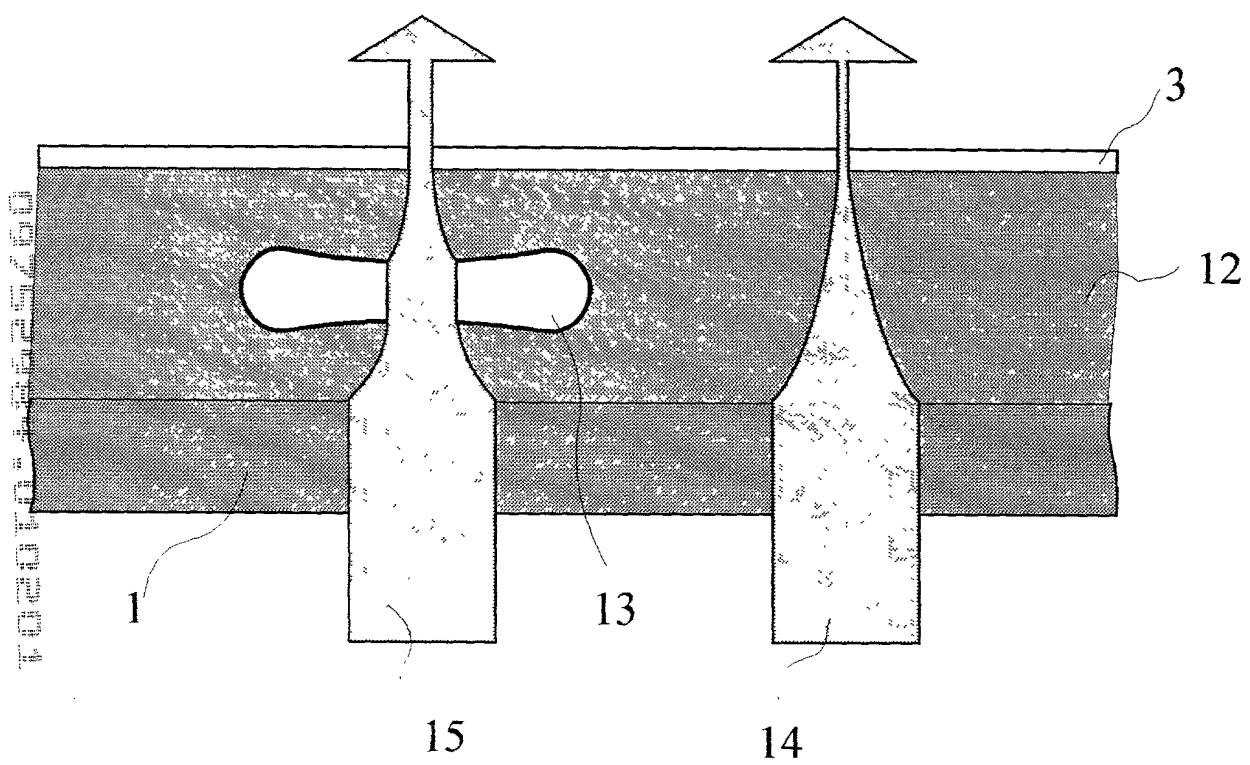


Fig. 4

$$I_1 = I_0 * 10^{-ac^*h_1}$$

$$I_2 = I_0 * 10^{-ac^*(h_1 - \Delta h)}$$

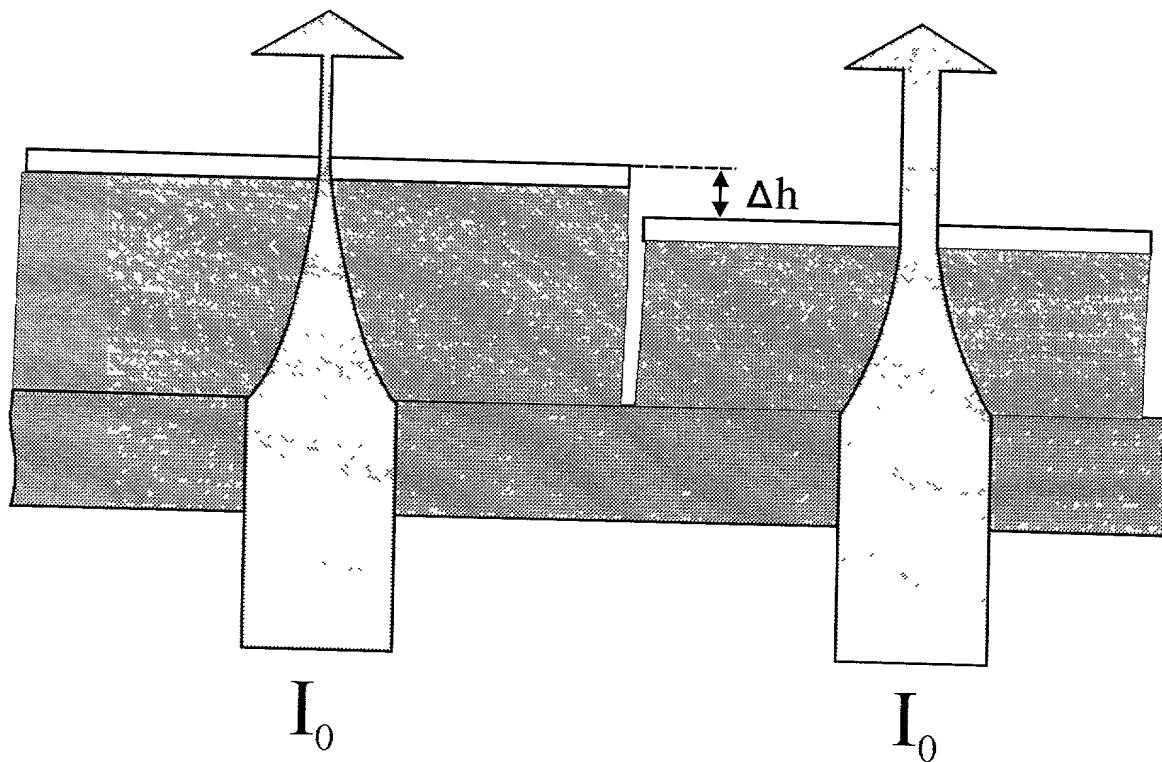
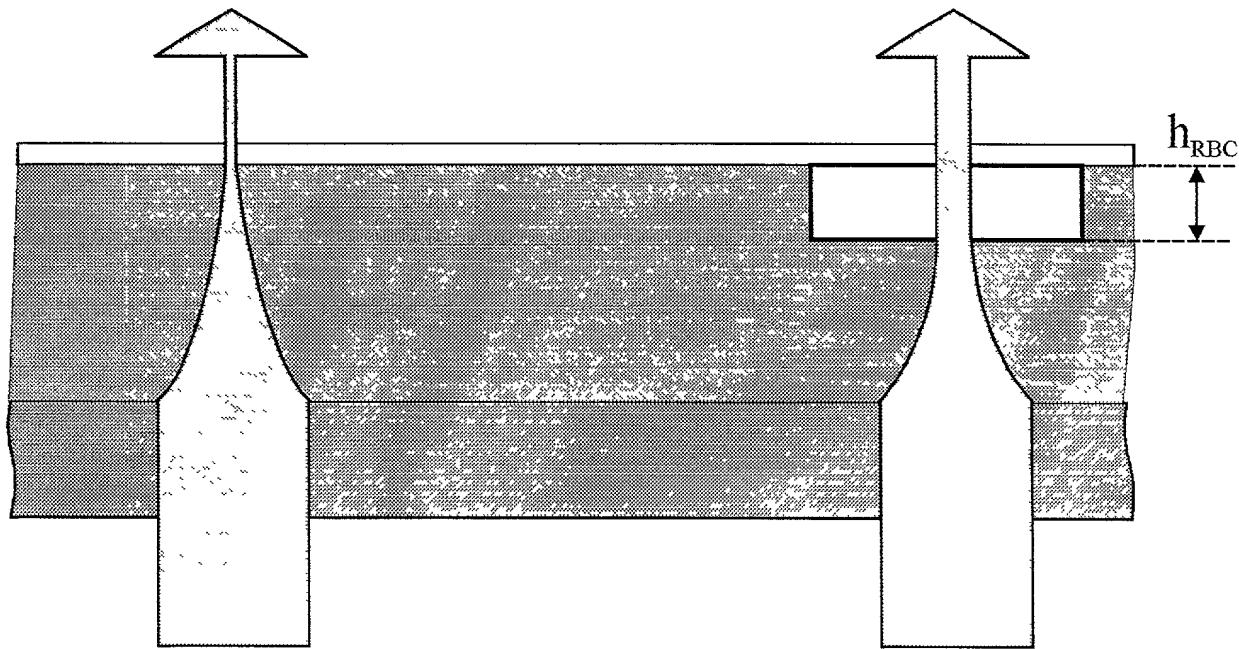


Fig. 5

$$I_3 = I'_0 * 10^{-ac*h2}$$

$$I_4 = I'_0 * 10^{-ac*(h2 - h_{RBC})}$$

Figure 5 illustrates two configurations of a flow system. In both cases, a vertical pipe is connected to a horizontal channel. The left configuration shows a single vertical pipe extending from the top of the channel. The right configuration shows a vertical pipe with a side branch, where the main pipe continues upwards and the side branch extends downwards to a lower level. A vertical double-headed arrow between the two configurations indicates a height difference labeled h_{RBC} .



I'_0

I'_0

FIG.6

